

450

125107

STATE OF MONTANA  
County of Garfield }

Filed in the office of the County Clerk  
Recorder of Garfield County, State of Montana  
this 30 day of Dec.

A. D. 1963 at 11:06 o'clock A. M.

Chas. E. Thompson  
County Clerk and Recorder

By Marianne A. James  
Deputy

Fee Paid \$ 2.00

INDEXED

FILED

File No. ....

T. 15 N. R. 43 E.

DUPLICATE

County... Garfield

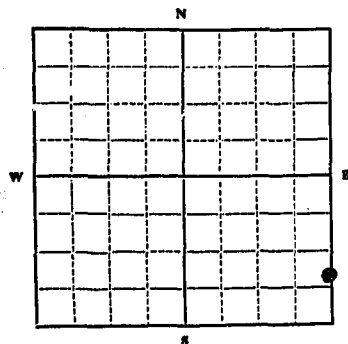
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
DEC 23 1963  
STATE ENGINEER

1 C. G. Glasscock and C. G. Glasscock, Jr., of P. O. Box 419, Miles City,  
(Name of Appropriator) (Address) (Town)  
County of Custer State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec 31 T15N R43E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based.....  
watering livestock
3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been..... Has been used continuously  
for more than fifteen years.
4. The amount of groundwater claimed (in miner's inches or gallons  
per minute)..... 6 gallons per minute
5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
No irrigation
6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal.....  
Windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater..... More than fifteen years prior to making this declaration but  
exact date unknown.
8. The depth of water table. Unknown
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater.....  
225 foot deep well with 4" casing
10. The estimated amount of groundwater withdrawn each year..... Unknown, but pumps 6 gallons per minute
11. The log of formations encountered in the drilling of each well if available.....  
Appropriator know of no log formations, as well was drilled before present owner  
purchased land.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record.....  
No other information known.

Signature of Owner.....

Signature of Owner.....

Date..... Dec 23 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

11468

189

124757

STATE OF MONTANA }  
County of Garfield }

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 17 day of Dec.

A. D. 19 63 at 11:10 o'clock PM

Charles E. Cunningham  
County Clerk and Recorder  
Marion St. James  
Deputy

Fee Paid \$ 2.00

INDEXED  
FILED

## GROUNDWATER INDEX

Page 1 of 1

County Yarfield Twp. 15A Rge. 44E

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File No. \_\_\_\_\_

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

County

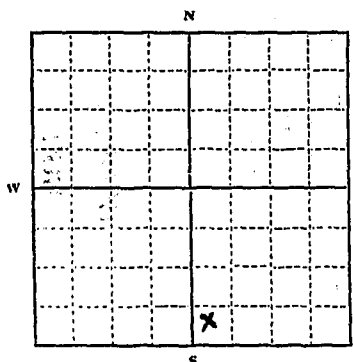
GARFIELD  
RECEIVED  
JAN 6 1964

STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. OLGA E JORDAN of CROW ROCK RTE MILES CITY  
(Name of Appropriator) (Address) (Town)  
County of GARFIELD State of MONT  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 10 T. 15 N. R. 44 E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based LIVESTOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1935 - CONTINUOUSLY

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 G. P. M.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

NONE

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal PUMP + WINDMILL + GAS ENGINE  
S.W. 1/4 SE

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1935

8. The depth of water table ABOUT 110' BELOW SURFACE

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater DRILLED - 4" CASING 250' DEEP

2 1/4" PUMP CYL. 1 1/4" PUMP PIPE

10. The estimated amount of groundwater withdrawn each year 525000 GALLONS

11. The log of formations encountered in the drilling of each well if available NO LOG AVAILABLE

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record GOOD STOCK WATER SUPPLY SUFFICIENT FOR CONTINUOUS PUMPING

Signature of Owner

Olga E. Jordan

Date

DEC 30 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23307

393  
125050

STATE OF MONTANA }  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 30 day of Dec

A. D. 1913 at 4:00 o'clock P. M.

Charles C. Dayhorne  
County Clerk and Recorder

By Marion L. Jones  
Deputy

Fee Recd \$ 2.00

Witnesses md  
ccp

Garfield  
Over E 1913

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File No. \_\_\_\_\_

DUPLICATE

T. 15N R. 44E

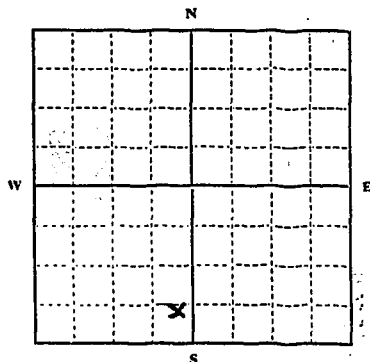
County GARFIELD

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

John B. JORDAN, of Rock SPRINGS  
(Name of Appropriator) (Address) (Town)  
County of GARFIELD State of MONT  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. W. 1/4 Sec. 13 T. 15N R. 44E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based LIVESTOCK WATER
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1940 - 6 MONTHS PER YEAR
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 G.P.M.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NONE
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal REG. PUMP, GAS ENGINE 1940 TO 1952 - 1953 TO 1963  
REA - SE 1/4 SEC 13 T. 15N R. 44E
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1940 - REA 1953
8. The depth of water table 110'
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 160' DEEP - 4" CASING - DRILLED  
REG. PUMP - 2 1/2" EYE
10. The estimated amount of groundwater withdrawn each year 777,600 gallons
11. The log of formations encountered in the drilling of each well if available 1 TO 130' CLAY WITH  
SEVERAL VEINS OF COAL - 131' TO 145' SAND - 146' TO 160'  
CLAY
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record NO RECORDED RECORDS  
STOCK WATER ONLY, POOR QUALITY

Signature of Owner

Date DEC 30 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23301

387  
125044

STATE OF MONTANA }  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 30 day of Dec.

A. D. 1963 at 10:00 o'clock P. M.

Charles E. Daugherty  
County Clerk and Recorder

By Marion E. Davis Deputy

Fee Paid \$ 2.00

nd  
RECORDED  
cop  
FILED



File No. \_\_\_\_\_

T. 15 N. R. 44 E. S. 21

DUPLICATE

County \_\_\_\_\_

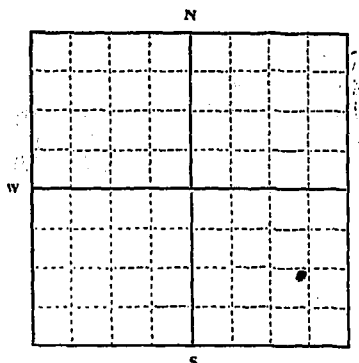
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Jay Dee Singleton (Name of Appropriator), of Crown Rock, Mtn. City (Address) (Town)  
County of Garfield State of Mont  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. 14 E. Sec. 21 T. 15 R. 44

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based stockwell
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1961 continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gals per min
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1961
8. The depth of water table 140
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 140' 4" casing
10. The estimated amount of groundwater withdrawn each year 100,000
11. The log of formations encountered in the drilling of each well if available none
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner Jay Dee Singleton

Date Dec 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23531

615

125274

STATE OF MONTANA }  
County of \_\_\_\_\_

Filed in the \_\_\_\_\_ of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this \_\_\_\_\_ day of \_\_\_\_\_.

A. D. 1963 at 9:54 o'clock PM.

Charles S. [Signature]  
County Clerk and Recorder

By Marion [Signature]  
Deputy

Fee Paid \$ 2.00

INDEXED [Signature]  
FILED [Signature]

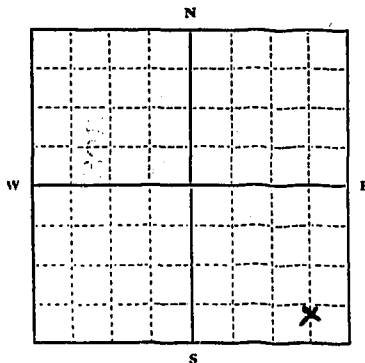
File No. \_\_\_\_\_

DUPLICATE

T. 15N R. 44E  
County GARFIELDSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
JAN 6 1964

## Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. OLGA E JORDAN, of CROW ROCK RTE MILES CITY  
(Name of Appropriator) (Address) (Town)  
County of GARFIELD State of MONT  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SE 1/4 Sec. 22 T. 15N R. 44E

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.2. The beneficial use on which the claim is based LIVESTOCK  
WATER3. Date or approximate date of earliest beneficial use; and how continu-  
ous the use has been 1935- CONTINUOUSLY  
MOSTLY WINTER4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 10 GPM5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
NO A/E6. The means of withdrawing such water from the ground and the loca-  
tion of each well or other means of withdrawal PUMP + ENGINE  
1935 TO 1954 - REB 1954 TO 1963  
SE 1/4 SEC 22 T. 15N R. 44E7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater 19358. The depth of water table 40' BELOW SURFACE9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater DRILLED - 4" CASING  
145' DEED10. The estimated amount of groundwater withdrawn each year 560,000 GALLONS11. The log of formations encountered in the drilling of each well if available NO LOG AVAILABLE  
CONSIDERABLE COAL IN AREA12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record NO RECORDED RECORDS

Signature of Owner

Olga E. Jordan  
Date DEC 30 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of  
Mines and Geology, and Quadruplicate for the Appropriator.

23312

398

125055

STATE OF MONTANA }  
County of Garfield }

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 30 day of Dec.

A. D. 19 63 at 10:14 o'clock A. M.

Charles E. Pongman  
County Clerk and Recorder

By Marion G. Russell  
Deputy

Fee Paid \$ 2.00

RECORDED  
INDEXED  
DEC 31 1963  
GARFIELD COUNTY

CHAS E PONGMAN  
COUNTY CLERK AND RECORDER  
GARFIELD COUNTY  
MONTANA

3-4-63  
10-14-63  
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File No. ....

DUPLICATE

T. 15<sup>N</sup> R. 44<sup>E</sup>

County GARFIELD

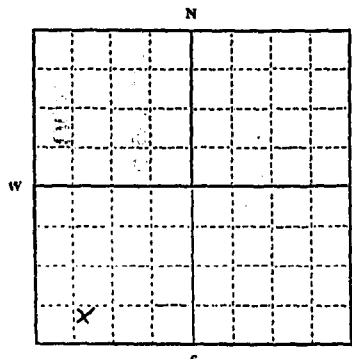
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

Declaration of Vested Groundwater Right STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. OLGA E JORDAN, of CROW ROCKITE MILES CITY  
(Name of Appropriator) (Address) (Town)  
County of GARFIELD State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec 22 T. 15<sup>N</sup> R. 44<sup>E</sup>

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based. LIVESTOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1944 - DAILY

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 10 G. P. M.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. No NE

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. PUMP + WINDMILL + REA

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1944 WELL 1957 REA

8. The depth of water table. 30' BELOW SURFACE

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. DRILLED. 4" CASING. 60' DEEP.

10. The estimated amount of groundwater withdrawn each year. 365000 GALLONS

11. The log of formations encountered in the drilling of each well if available. 1 TO 20' SANDY SOIL. 21' TO 30' CLAY - 31' TO 40' GRAVEL 41' TO 60' CLAY + SAND ROCK

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

NO RECORDED RECORDS

Signature of Owner. Olga E. Jordan

Date. DEC 30 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23304

390

125047

STATE OF MONTANA }  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 30 day of Dec.

A. D. 1963 at 6:26 o'clock P. M.

James E. Ferguson  
County Clerk and Recorder  
By Marion B. Jones Deputy

Fee Paid \$ 2.00

Subscribed md  
Filed md

File No. ....

T. 15<sup>N</sup> R. 44<sup>E</sup>

DUPLICATE

County GARFIELD

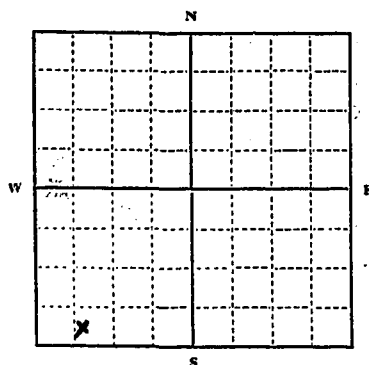
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. OLGA E JORDAN of CROW ROCK RT MILES CITY  
(Name of Appropriator) (Address) (Town)  
County of GARFIELD State of MONT  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SW 1/4 Sec 22 T. 15<sup>N</sup> R. 44<sup>E</sup>

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based HOUSEHOLD USE
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1920 DAILY
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2000 GALLONS DAILY
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
NONE
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal REC PUMP  
1920 TO 1955 - REA 567063  
SW 1/4 SEC 22 T. 15N R. 44E
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater WELL 1920  
REA + JET PUMP 1955
8. The depth of water table.....
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater DUG WELL - 4 FT CONCRETE + STEEL  
38' DEED
10. The estimated amount of groundwater withdrawn each year 365,000 GALLONS
11. The log of formations encountered in the drilling of each well if available 1 TO 15' SANDY SOIL  
16 TO 25' SAND ROCK + CLAY - 26 TO 30' GRAVEL  
31 TO 37' SAND ROCK
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record NO RECORDED RECORDS  
EXCELLANT DRINKING WATER.

Signature of Owner

Date

Olga E Jordan  
DEC 30 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23305

391

125048

STATE OF MONTANA }  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 30 day of Nov.

At 10 63 at 10:07 o'clock A M.  
Shaw & Parsons  
County Clerk and Recorder

By Marian R. Jones  
Deputy

Fee Paid \$ 2.00

2nd Nov 1963

HOME

214-255-3333 LITON 8-4115  
1001 LINDA C-REV 3 REE BROWN

RECEIVED  
NOV 30 1963  
GARFIELD COUNTY CLERK  
1001 LINDA C-REV 3 REE BROWN

NOV 30 1963

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Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No. ....

T. 15N R. 44E

DUPLICATE

County GARFIELD

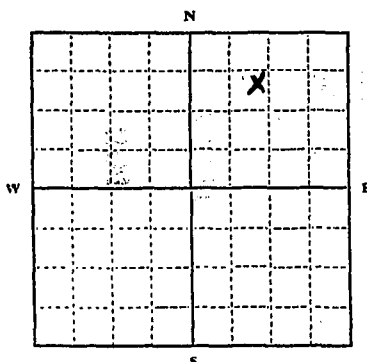
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. OLGA E. JORDAN, of CROW ROCK RTE MILES CITY  
(Name of Appropriator) (Address) (Town)  
County of GARFIELD State of MONT.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 22 T. 15N R. 44E

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based LIVESTOCK  
WATER

3. Date or approximate date of earliest beneficial use; and how continu-  
ous the use has been 1950 WINTER MONTHS

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 10 GPM

5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof

NONE

6. The means of withdrawing such water from the ground and the loca-  
tion of each well or other means of withdrawal

PUMP ENGINE 1950 TO 54 - REA 54763  
NE 1/4 SEC 22 - T 15N R 44E

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater. 1950

8. The depth of water table. 25' below SURFACE

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater. DRILLED - 20' 6" CASING  
32' - 4" CASING  
50' DEED

10. The estimated amount of groundwater withdrawn each year. 160,000 GALLONS

11. The log of formations encountered in the drilling of each well if available. 0 TO 10' CLAY  
11' TO 16' QUIET SAND - 17' TO 40' CLAY 41' TO 48'  
CLAY

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record. NO RECORDED RECORDS SUPPLY UNLIMITED  
GOOD LIVESTOCK WATER

Signature of Owner

Olga E. Jordan  
Date DEC 30 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of  
Mines and Geology, and Quadruplicate for the Appropriator.

23308

394

125051

STATE OF MONTANA }  
County of Garfield }

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 30 day of Dec

A. D. 19 63 at 11:10 o'clock P. M.

Charles E. Thompson  
County Clerk and Recorder

By Marion R. James  
Deputy

Fee Paid \$2.00

INDEXED  
FILED  
DEC 31 1963  
GARFIELD COUNTY, MONTANA

307-485-4100  
DUTY FREE  
307-485-4100  
307-485-4100

NEW ZEALAND  
BIRMINGHAM  
1963

Garfield  
Twp  
1963

RECEIVED  
GARFIELD  
COUNTY  
CLERK  
DEC 31 1963

1963

24

File No. ....

T. 15<sup>N</sup> R. 44<sup>E</sup>

DUPLICATE

County GARFIELD

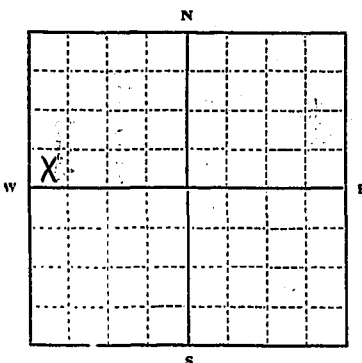
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 8 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. John B. Jordan, of Rock Springs  
(Name of Appropriator) (Address) (Town)  
County of GARFIELD State of MONT.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec 24 T15<sup>N</sup> R. 44<sup>E</sup>

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based LIVE STOCK + RESIDENTIAL USE

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1935 DAILY

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2.0 G.P.M.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NONE.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal SW 1/4 NW 24-15-44  
1935 TO 54 - GAS ENGINE + PUMP  
1954 TO 1963 REA + JET PUMP

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1935 WELL + PUMP  
1954 REA + JET PUMP

8. The depth of water table 80'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater DRILLED - 4" CASING  
245' DEEP

10. The estimated amount of groundwater withdrawn each year 806,500 GALLONS

11. The log of formations encountered in the drilling of each well if available 1 TO 200 CLAY  
WITH INTERMITTANT COAK - 201 to 230 SAND -  
231 to 245 CLAY

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record NO RECORDED RECORDS  
OVER 22 GALLONS PER MINUTE FAIR QUALITY

Signature of Owner

Date DEC 30 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

2329

125034

STATE OF MONTANA  
County of Garfield

County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 30 day of Dec 1913

A. D. 19 63 at 9:53 o'clock PM

County Clerk and Recorder

By Maria A. [Signature] Deputy

Net Total \$ 7.00

INDEXED *int*  
*CSO*

10/17/2012 11:42 AM

File No. ....

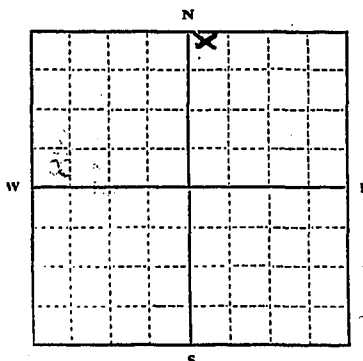
DUPLICATE

T 15<sup>N</sup> R 44<sup>E</sup>  
County GARFIELDSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
JAN 6 1964

## Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. John B. JORDAN, of Rock SPRINGS  
(Name of Appropriator) (Address) (Town)  
County of GARFIELD State of MONT.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 26 T15N R. 44E

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based LIVE STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1946  
5 WINTER MONTHS PER YR  
1946 TO 1963

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 G.P.M.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
NONE - REG. PUMP + GAS  
ENGINE 1946 TO 1954  
REA 54 TO 636. The means of withdrawing such water from the ground and the location of well or other means of withdrawal  
4" CASING - 150' DEEP

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1946

8. The depth of water table 110'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater DRILLED - 4" CASING -  
2 1/2" CYL. - 150' DEEP.

10. The estimated amount of groundwater withdrawn each year 518,400 GALLONS

11. The log of formations encountered in the drilling of each well if available 1' TO 100' CLAY  
WITH INTERMITTENT LAYERS OF COAL  
101' TO 130' SANDY 131' TO 150' CLAY12. Such other information of a similar nature as may be required by the policy of this act, including reference to book and page of any county records  
VERY LIMITED SUPPLY OF WATER POOR QUALITY

Signature of Owner John B. Jordan

Date DEC 30 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23302

388  
125045

STATE OF MONTANA }  
County of Garfield }

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 30 day of Dec.

A. D. 1903 at 10:04 o'clock A. M.

Chas. H. Ferguson  
County Clerk and Recorder

By Marion H. Jones  
Deputy

Fee Paid \$2.00

Ind  
Rep

G

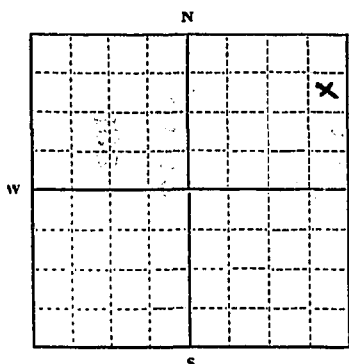
Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No. \_\_\_\_\_

DUPLICATE

T 15N R 44E 228  
County GARFIELDSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
JAN 6 1964Declaration of Vested Groundwater Rights  
STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. OLGA E. JORDAN, of CROW ROCK RTE MILES CITY  
(Name of Appropriator) (Address) (Town)  
County of GARFIELD State of MONT  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

NE 1/4 Sec 28 T 15N R 44E

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.2. The beneficial use on which the claim is based: LIVESTOCK  
WATER3. Date or approximate date of earliest beneficial use; and how continu-  
ous the use has been: 1924 - CONTINUOUSLY4. The amount of groundwater claimed (in miner's inches or gallons  
per minute): 10 GPM5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
NONE6. The means of withdrawing such water from the ground and the loca-  
tion of each well or other means of withdrawal:  
RSG - PUMP & WINDMILL  
NENE SEC 28 T 15N R 44E7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater: 1924

8. The depth of water table: 14' BELOW SURFACE

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater: DUG WELL 4' CASING

21' DEEP

10. The estimated amount of groundwater withdrawn each year: VARIOUS AMOUNTS. 365,000  
AVE11. The log of formations encountered in the drilling of each well if available: 1 TO 16' CLAY + SAND  
17 TO 21' GRAVEL12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record: NO RECORDED RECORDS

Signature of Owner: Olga E. Jordan

Date: DEC 31 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of  
Mines and Geology, and Quadruplicate for the Appropriator.

23306

392

125049

STATE OF MONTANA }  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 30 day of Dec

A. D. 19 03 at 10:08 o'clock P. M.

Charles E. Thompson  
County Clerk and Recorder

By Marion A. Jones  
Deputy

Fee Paid \$2.00

Thompson  
Chap



File No. \_\_\_\_\_

T. 15 N. 44 E

DUPLICATE

County \_\_\_\_\_

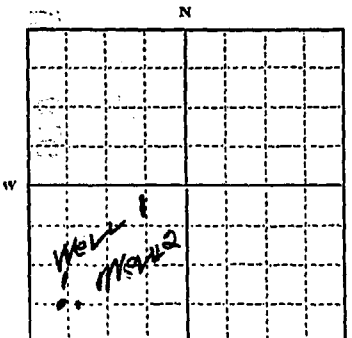
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 8 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Jay Dee Singleton, of Crow Rel. Rd. Milledy Mt.  
(Name of Appropriator) (Address) (Town)  
County of Lincoln State of Mont  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S 1/4 W 48 T 15 R 44  
S 1/4 W Sec 28 T 15 R 44

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based well one house  
and well 2 stock well

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well one 1949  
Well 2 1952 Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 gal per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
none

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1949 - 1950

8. The depth of water table 140 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater

Well one 280' 4" casing

Well Two 300 4" casing

10. The estimated amount of groundwater withdrawn each year 100,000

11. The log of formations encountered in the drilling of each well if available

not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Jay Dee Singleton  
Date Dec 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23532

616

125275

STATE OF MONTANA }  
County of \_\_\_\_\_

Filed in the \_\_\_\_\_ of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this \_\_\_\_\_ day of \_\_\_\_\_

A. D. 19 \_\_\_\_\_ at \_\_\_\_\_ o'clock \_\_\_\_\_ M.

Charles E. [Signature]  
County Clerk and Recorder

By Marian [Signature] Deputy

Fee Paid \$ 2.00

[Signature]  
[Signature]

OW

Approved Stock Form—State Publishing Co., Helena, Montana—4224

File No. \_\_\_\_\_

DUPLICATE

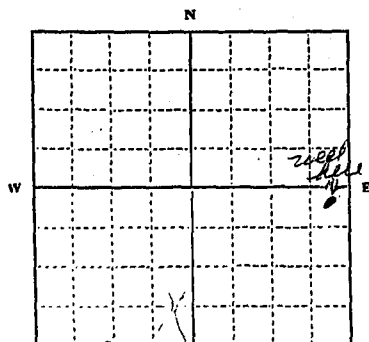
T. Harfield  
County \_\_\_\_\_STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
JAN 6 1964

## Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Fred Neuhardt  
Otto Neuhardt  
Arnold Neuhardt  
(Name of Appropriator) of Grouse Rock Route, Miles City  
(Address) (Town)  
County of Harfield State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SE  
33 15 44  
1/4 Sec. T. R.Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.The beneficial use on which the claim is based for stock water3. Date or approximate 1961 earliest beneficial use; and how continu-  
ous the use has been \_\_\_\_\_4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 10 gals per min.5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
not used for irrigation6. The means of withdrawing such water from the ground and the loca-  
tion of each well or other means of withdrawal  
from pit7. The date of commencement 1961 and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater \_\_\_\_\_8. The depth of water table 45 feet from top of well.9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater 4 inch, 20 ft, 2 inch casing  
new 2 inch, 20 ft, 2 inch casing10. The estimated amount of groundwater withdrawn each year 1,095,000 gals. per year.11. The log of formations encountered in the drilling of each well if available not available12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record see recordSignature of Owner Otto NeuhardtDate Dec. 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of  
Mines and Geology, and Quadruplicate for the Appropriator.

23453

539

125196

STATE OF MONTANA }  
County of Garfield }

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 21 day of Dec.

A. D. 19 63 at 8:30 o'clock P. M.

Charles E. Thompson  
County Clerk and Recorder  
By Harriet A. Jensen  
Deputy

Fee Paid \$2.00

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12/21/63

File No. \_\_\_\_\_

DUPLICATE

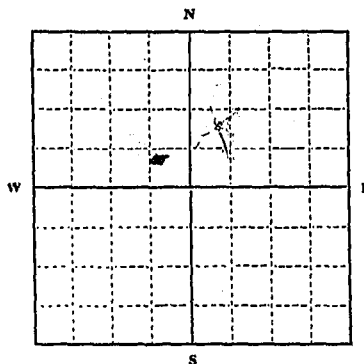
T. 15N B. 44 E. 34  
County, GarfieldSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
JAN 6 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Fred Neuhardt  
Arnold Neuhardt  
Otto Neuhardt (Name of Appropriator), of Crow Rock Route, Miles City  
(Address) (Town)  
County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based stock water and household use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1942 - continuous use since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump and windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1942
8. The depth of water table 40 feet from top of well
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 308 feet deep. 4-inch casing
10. The estimated amount of groundwater withdrawn each year 750,000 gals.
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record no record other than this

Signature of Owner

Date Dec 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23452

538

125195

STATE OF MONTANA }  
County of Garfield }

Filed in the Office of the County Clerk and  
Recorder of Garfield County, State of Montana,

this 31 day of Dec.

A. D. 1963 at 8:35 o'clock P. M.

Thos. J. [Signature]  
County Clerk and Recorder

By [Signature]  
Deputy

Fee Paid 2.00

INDEXED [Signature]  
FILED [Signature]

File No. \_\_\_\_\_

T. 15<sup>N</sup> R. 44<sup>W</sup>

DUPLICATE

County \_\_\_\_\_

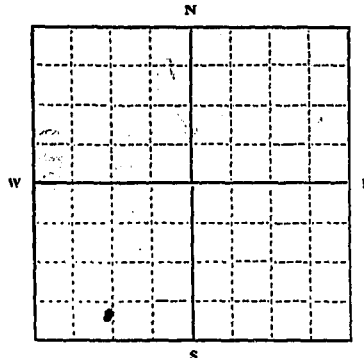
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Jay Dee Singleton of Cumtuck Rd. Miles City  
(Name of Appropriator) (Address) (Town)  
County of Cassidy State of Mont  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 35 T. 15 R. 44

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based stockwell
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1960  
6 mo winter
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gal min
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1960
8. The depth of water table 240
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 240 ft 4" casing
10. The estimated amount of groundwater withdrawn each year 100,000
11. The log of formations encountered in the drilling of each well if available  
none
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record  
none

Signature of Owner

Jay Dee Singleton  
Date Dec 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23530

614

125273

STATE OF MONTANA }  
County of Garfield }

Filed in the \_\_\_\_\_ of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 31 day of Dec.

A. D. 1963 at 9:53 o'clock A. M.

Charles E. Pangborn  
County Clerk and Recorder

By Marion K. Jarrett  
Deputy

Fee Paid \$ 2.00

INDEXED mj  
FILED clp



## GROUNDWATER INDEX

Page 1 of 1

County Yarfield Twp. 1477 Rge. 30 E

[illegible]

GW 2

File No. \_\_\_\_\_

DUPLICATE

T. 14N R. 30E

County SanfieldSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERRECEIVED  
MAY 13 1963Notice of Completion of Groundwater  
Appropriation by Means of Well ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Owner Low E. Hill Address Moody, Mont.Driller Caroline Drilling Co. Address Billings, Mont.

Date of Notice of Appropriation of Groundwater \_\_\_\_\_

Date well started July 11, 1962 Date Completed July 20, 1962Type of well Drilled Equipment Used Rotary Rig  
(dug, driven, bored or (Churn, drill, rotary or other)Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☒  
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
11	8 5/8 - 28"	0	248	5 1/2" Jct	2120	2080
7 3/8	4 3/4 - 16" S.H.	65.50	2286.6	2" holes		
	4 1/2 - 9.8 S.H.	0	65.50			

Static Water Level for non-flowing Well \_\_\_\_\_ feet.

Shut-in Pressure for Flowing Well approx. 1.00 lbs.

Pumping Water Level \_\_\_\_\_ feet at \_\_\_\_\_ gal. per minute.

Discharge in gal. per min. of flowing well 1.00 gal. per min.How Tested 300 gal. test length of Test 3 min.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of

acres irrigated, if used for irrigation) None known

Driller's License Number \_\_\_\_\_

Driller's Signature \_\_\_\_\_

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and ~~Quarry~~ duplicate for the Appropriator.

4359

66

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 9 day of May.

A. D. 19 63 at 3:55 o'clock PM  
Charles E. Rungbu  
 County Clerk and Recorder

By \_\_\_\_\_

Fee Paid 2.00

INDEXED *WJ*  
FILED *WJ*

Rooten

1990-2nd Cat Creek St.	30
2015 3rd Cat Creek St.	30

2065	3rd Cat Creek
2146	Morgan, S.
2157	Bandler

287	-Banding	5
288	-Base of casing	5
289	-Sw 1st	5

9150 - SW 17.  
2870.  
9450 } P/uq-25 S AX

2450 5 PUG-25 SAX  
2547-P. eridan

2725-B-28

2725 - P/ra  
2802 - P/ra-30 GHz - P/raiden.

24003 } P103-300H8-110

30

3183 - Heath.  
3785 New Dressed

3385 - Van Dusen.  
3401 - T.D. Dallen

Describe the type of joints in casing. *4 1/4" - 10 Vthd. long collar*  
*4 1/4" - 2 Rdthd. 5' long collar*

Type of drilling machine. *Rotary Rig-Tanks "500"*

Describe any screens used.

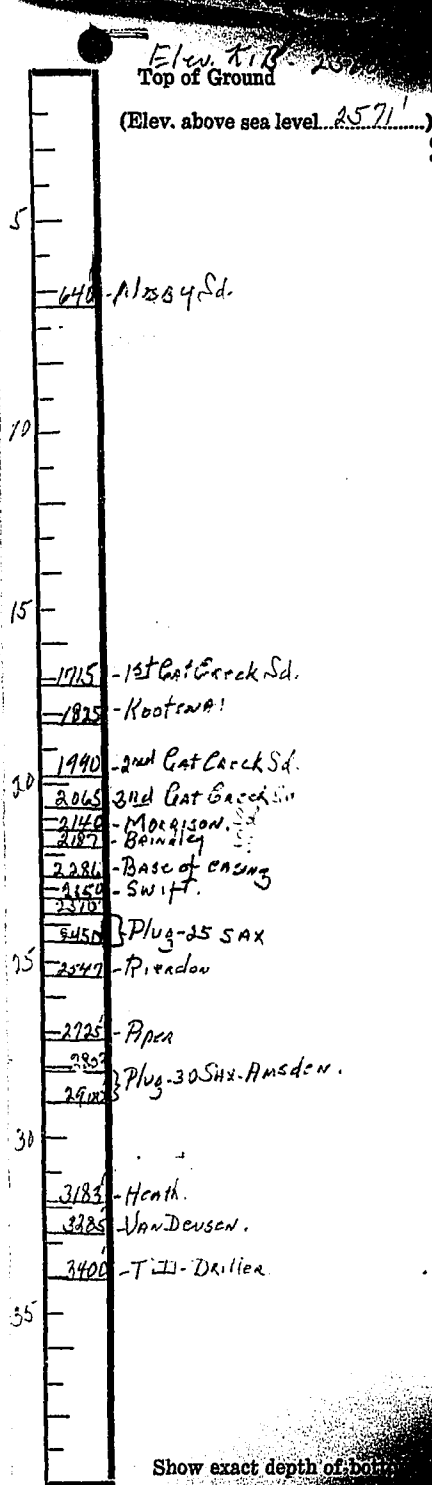
Describe any grouting or cement work giving location and amount. 77.5

Flowing capacity of well 100 gal per minute

Date water sample sent to State Board of Health.....

County of ..... ss.

\_\_\_\_\_, being first duly sworn, deposes and says that he is the well driller named above, that he has read the above report, and that the same is true of his own knowledge.



Elev. 718 - 2500  
Top of Ground

(Elev. above sea level 2571')

MAY 13 1963

MONTANA STATE ENGINEER 31 1962

WELL DRILLER'S REPORT

STATE ENGINEER STATE ENGINEER  
Driller SHRIMM & Pet. Co. Address Billings, Mont.

Owner of Well Lou Hill

Exact Location of Well SW. SE. Sec. 27, Twp 14 N, R. 30 E.

Water to Be Used for IRRIGATION & Stock

Drilling Begun July 11-1962 Well Finished July 20-1962

Well Sealed, Date July 20-62 Type of Seal Cemented Casing

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Water Pressure at Top of Ground \_\_\_\_\_ Pounds per Sq. In.

Casing Record

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	to (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	to (Feet)
11"	8 5/8" 28 #	0	248	3 1/2"	120	200
7 7/8"	4 3/4" 16 # 5/8"	65.50	2286.61	2 1/2"		
	4 1/2" 9.8 # 5/8"	0	65.50			

Describe the type of joints in casing 4 3/4" - 10 V. Hd. - Long Collar

4 1/2" - 2 Rd. Hd. - Short Collar

Type of drilling machine Rotary Rig - Franks "500"

Describe any screens used \_\_\_\_\_

Describe any grouting or cement work giving location and amount 175 SAX

1st Cat. From 2286 to approx - 1386'

Flowing capacity of well 100 gals. per minute

How determined Filled 300 gal. Tank in 3 minutes

Date water sample sent to State Board of Health \_\_\_\_\_

STATE OF MONTANA, } ss.

County of \_\_\_\_\_

\_\_\_\_\_, being first duly sworn, deposes and says that he is the well driller named above, that he has read the above report, and that the same is true of his own knowledge.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_.

Show exact depth of bottom of well (on reverse side for copy of the law.)

File No. ....

T. 14N R. 30E

DUPLICATE

County Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

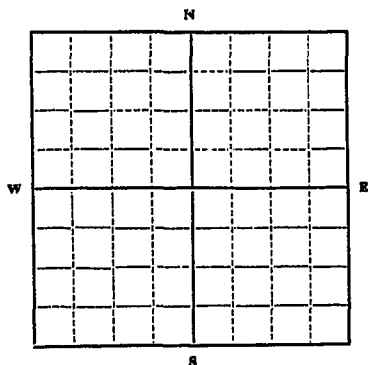
**RECEIVED**  
DEC 20 1962

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Lou Hill of Mosby  
(Name of Appropriator) (Address) (Town)  
County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



~~Sec. 27~~ Sec. 27. T. 14. R. 30

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based.....

Stock water & Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....

July, 1962

4. The amount of groundwater claimed (in miner's inches or gallons per minute).....

100 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....

40 acres in SW 1/4 Section 27-14-30

Lou Hill

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....

flowing well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....

July 11, 1962 and completed July 20, 1962

8. The depth of water table.....

2100 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....

4 3/4 inch pipe 16 lb casing and 2,286 feet deep

10. The estimated amount of groundwater withdrawn each year.....

would vary

11. The log of formations encountered in the drilling of each well if available.....

640 feet Mosby sand, 640-1,715 ft Cat Creek Sand; 1715-1825 Kootenai; 1825 to 1,990 and Cat Creek Sd.; 1990 to 2065 3rd Cat Creek Sd.; 2065 to 2,110 Morrison Sd.; 2,110 to 2,187 ft Brindley Sd 2187 to 2286 ft Base of casing.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

This well was originally drilled for an oil well being a dry hole it is being used for stock water and irrigation.

Well drilled by Cardinal Petroleum Company of Billings, Montana

Signature of Owner.....

Date.....

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

2847

122948

122948

STATE OF MONTANA }  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 21 day of Dec

A. D. 1967 at 1:15 o'clock P. M.  
(Cora) B. Bagg  
County Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee Paid \$ 2.00

GW

File No.

DUPLICATE

RECEIVED

JUN 12 1964

Approved State Form State Publishing Co., Helena, Montana—42234

T14N R30E

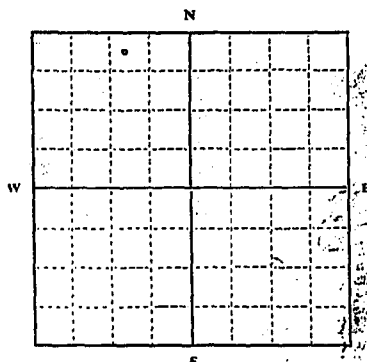
County Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEERR  
JAN 6 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Marcus Matovich, of Mesa,  
(Name of Appropriator) (Address) (Town)County of Garfield State of Mont  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:1/4 Sec. T14N R30EIndicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.2. The beneficial use on which the claim is based  
Stock3. Date or approximate date of earliest beneficial use; and how continu-  
ous the use has been since drilled4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 5 gpm5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
None6. The means of withdrawing such water from the ground and the loca-  
tion of each well or other means of withdrawal  
Flowing7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater May 1950 June 19508. The depth of water table 1200 ft9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater  
2 1/2 inch pipe10. The estimated amount of groundwater withdrawn each year 657000 Gall11. The log of formations encountered in the drilling of each well if available  
0-30' To 30' - 1100' Brown sand 1100-1200 Water sand  
Judith river12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county recordSignature of Owner Marcus MatovichDate Dec 28 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of  
Mines and Geology, and Quadruplicate for the Appropriator.

23649

733

125392

STATE OF MONTANA }  
County of Garfield }

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 31 day of Dec

A. D. 19 1933 at 11:30 o'clock A.

Marion H. Danner  
County Clerk and Recorder

Marion H. Danner  
Deputy

Fee Paid \$ 2.00

2nd  
INDEXED  
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GW

File No.

DUPLICATE

RECEIVED  
JUN 12 1964

Approved State Form - State Publishing Co., Helena, Montana-42234

T. 14N R. 30E

County

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CONTROL  
OFFICE OF STATE ENGINEER

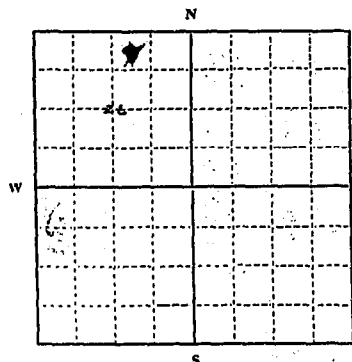
JAN 6 1964

STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Marcus Matwie, of Mosby (Name of Appropriator) (Address) (Town)  
 County of Hanfield State of Montana  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec 26 T14N R30E  
 Indicate point of appropriation  
 and place of use, if possible. Each  
 small square represents 10 acres.

2. The beneficial use on which the claim is based.  
Home + Stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.  
since drilled
4. The amount of groundwater claimed (in miner's inches or gallons per minute).  
Pump 1.0 gal min
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.  
none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.  
Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.  
1959
8. The depth of water table.  
4 ft 1.5 ft deep
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.  
1 1/2 pipe + electric Pump
10. The estimated amount of groundwater withdrawn each year.
11. The log of formations encountered in the drilling of each well if available.  
1.2 ft top soil surface water
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner

Marcus Matwie  
 Date Dec 28 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23650

734

125393

STATE OF MONTANA }  
County of Garfield }

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 21 day of Dec

A. D. 1923 at 11:24 o'clock A. M.

Charles E. Dougherty  
County Clerk and Recorder

By Marshall Jones Deputy

Fee \$2.00

mf  
INDEXED etc  
FILED

GV

File No. \_\_\_\_\_

DUPLICATE

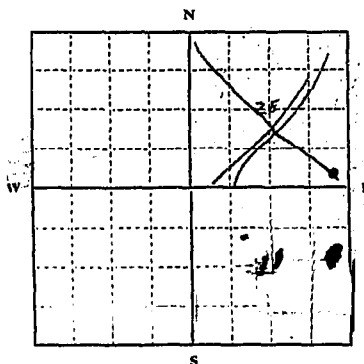
RECEIVED  
JUN 12 1964

Approved State Form State Publishing Co., Helena, Montana—42234

T14N R30E

County GarfieldSTATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER  
OFFICE OF STATE ENGINEERRECEIVED  
JAN 6 1964Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

1. Marcus Malovich, of Mosby  
(Name of Appropriator) (Address) (Town)  
County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec 28 T 14N R 30E  
Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based  
Stocks

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since drilled

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 quarts per min

5. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner thereof  
None

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
flowing

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
Drilling started Dec 13 1946  
Dec 20 1946

8. The depth of water table 1020 ft is the depth to bottom hole

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
2 in steel pipe

10. The estimated amount of groundwater withdrawn each year 6 or 7000 gpm

11. The log of formations encountered in the drilling of each well if available  
0-15' Top soil 15-270' shale 270-272' Caprock 272-20'  
gullies were sand stream in shale

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Marcus Malovich

Date Dec 28 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23651

735

125394

STATE OF MONTANA }  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 31 day of Dec

A. D. 1963 at 11:50 o'clock AM

Charles E. Rayson  
County Clerk and Recorder

By Harold A. James  
Deputy

Fee Paid \$ 2.00

ml  
Cox  
FILED

## GROUNDWATER INDEX

Page 1 of 1

County Garfield Twp. 147? Rge. 316

[illegible]

14N-31E 021

STATE OF MONTANA



ADMINISTRATORS  
NORMAN J. BEAUDRY, EXEC. SEC.  
P. O. BOX 277  
HELENA, MONTANA 59601  
DONALD A. GARRITY, ATTORNEY  
422 NORTH PARK AVENUE  
HELENA, MONTANA 59601  
JUDSON D. SWEET,  
PETROLEUM ENGINEER  
15 POLY DRIVE  
BILLINGS, MONTANA 59101  
HERBERT D. HADLEY, GEOLOGIST  
15 POLY DRIVE  
BILLINGS, MONTANA 59101

COMMISSIONERS  
WINSTON L. COX, CHAIRMAN  
528 SECURITIES BLDG.  
BILLINGS, MONTANA 59101  
ALLEN ZIMMERMAN, VICE CHAIRMAN  
P. O. BOX 277  
POPLAR, MONTANA 59255  
E. G. BALSAM  
2300 PEARL  
MILES CITY, MONTANA 59301  
L. V. HARRIS  
HORSKY BLOCK BLDG.  
HELENA, MONTANA 59601  
C. J. IVERSON  
WHITLASH, MONTANA 59845

OIL AND GAS CONSERVATION COMMISSION

325 FULLER AVENUE  
BOX 217  
HELENA, MONTANA 59601

November 17, 1969

MONTANA WATER RESOURCES BOARD

Water Conservation Board  
Water Resources Engineer  
Sam W. Mitchell Bldg.  
Helena, Montana 59601

Dear Sir:

Enclosed you will find copies of Release Agreements for utilization of fresh water wells.

1. Robert M. Watkins Engineering  
Petrol Industries, Inc.  
Petrol-Remuda #1 N.P. (Northern Pacific Lease)  
Section 21, Twp. 14 North, Rge. 31 E.
2. Pan American Petroleum Corporation  
State of Montana "A"  
Section 16, Twp. 36 N., Rge. 12E.

Yours very truly,

*N. J. Beaudry*  
Norman J. Beaudry  
Executive Secretary

NJB/pz  
cc:

MONTANA WATER RESOURCES BOARD  
RECEIVED

NOV 18 1969

Mr. E. W. Vond  
Bureau of Mines & Geology  
Butte, Montana 59701

Oil and Gas Conservation Commission  
*Herbert D. Hadley*  
Petroleum Engineer, Geologist of Executive Secretary  
Dated: *October 27*, 1969





RELEASE AGREEMENT

Now ALL BY THESE PRESENTS, that I, Lou E. Hill  
of the County of Garfield

the State of Montana, as the owner of the hereinafter described land upon which  
a well for oil or gas was drilled, to-wit:

Operator Robert M. Watkins Engineering - Petrol Industries, Inc.  
Lease Name Petrol - Remuda #1 N.P. (Northern Pacific lease)  
Well No. 1 Sec. 21, Twp. 14 N, Rge. 31 E  
The well is located 2000 feet N of the South  
line and 875 feet E of the West line.

That, in accordance with Regulation 233.6, Order No. 1-1, November 30,  
1953, I do hereby notify the Oil and Gas Conservation Commission of the State  
of Montana of my desire to utilize said well as a fresh water well; and, that  
if such utilization is approved, I do hereby release and discharge the operator  
hereinabove named from any further work or responsibility in relation to the  
plugging of said well.

Water Use: Domestic \_\_\_\_\_ Municipal \_\_\_\_\_ Stock X Other \_\_\_\_\_  
Industrial \_\_\_\_\_ Drainage \_\_\_\_\_ Irrigation \_\_\_\_\_

Producing Depth 1750 feet Producing Formation 1st Cat Creek  
Yield of well 30 gals./min. Annual Withdrawal \_\_\_\_\_

WITNESS my hand and seal this \_\_\_\_\_ day of October, 19 68

Lou E. Hill (L.S.)  
Landowner - Lou E. Hill  
Address \_\_\_\_\_  
Mosby, Montana

IN THE PRESENCE OF:

Lemmon E. Fisher Address Mosby, Montana  
Allen W. Coulter Address Mosby, Mont.

APPROVED BY:

Oil and Gas Conservation Commission  
Herbert S. Hadley Geologist  
Petroleum Engineer, Geologist, or Executive Secretary  
Dated: October 27, 19 68



4587

## GROUNDWATER INDEX

Page 1 of 1

County Yazoo Twp. 147 Rge. 326

[illegible]



Form No. 18--  
8-60

Record  
T. 14 R. 32  
County Garfield

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
APR 24 1961

WATER WELL LOG

STATE ENGINEER

			X

Owner G. A. Ostler Address Winnett, Mont.  
Driller W. L. Munson Address Glenn, Mont.  
Date Started Apr 8 - 1960 Date Completed Apr 9 - 1961  
Location: Sec. 4 T. 14 R. 32  $\frac{1}{4}$  sec. NE SE

Type of well Drilled Equipment used Rotary  
(lug, driven, bored, or drilled) (churn, drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐

Casing: 0 ft. to 183 ft. Type Lite 2 1/2 Size 4" I.D.

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 164 to ft. 180 . Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations Regular

Static Water level, for non-flowing well: 60 feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level 110 feet at 7 gal. per min.

How tested: Bail ing

Length of test 2 hrs

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Cave catcher @ 160

(over)

## Log of Well

[illegible]

File No. ....

T. 14N R. 32E

DUPLICATE

County Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 13 1963

STATE ENGINEER  
**Notice of Completion of Groundwater Appropriation  
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

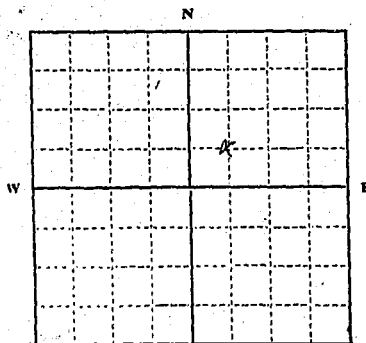
Date of Appropriation of Groundwater 1913Owner Nor. Pac. Ry. Co. Address St. Paul, Minn.

Contractor (if any) .....

Address of Contractor .....

Date Started..... Date Completed.....

Describe means of obtaining groundwater without a well "as by  
sub-irrigation and other natural processes". Include depth to  
water when applicable.....

Spring, used since 1913.SW  $\frac{1}{4}$  Sec 15 T. 14N R. 32E

Indicate point of appropriation  
and place of use, if possible.

Quantity of water developed and used with explanation of method  
used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.....

Spring flows 8-10 gallons per minute.measured over a period of time.Northern Pacific Railway CompanySignature of Owner By A. H. [Signature]Dist. Supvr., Graz. and Cult.Date DEC 10 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the  
works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana  
Bureau of Mines and Geology and Quadruplicate for the Appropriator.

135  
124631

STATE OF MONTANA }  
County of Garfield }

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana.  
this 10 day of Dec

A. D. 1963 11:40 o'clock P M

Charles E. Langham  
County Clerk and Recorder

By James D. Davis  
Deputy

Fee Paid \$3.00

md  
cto  
INDEXED  
FILED

STATE ENGINEER

File No. ....

T. 14N R. 32E

DUPLICATE

County Garfield

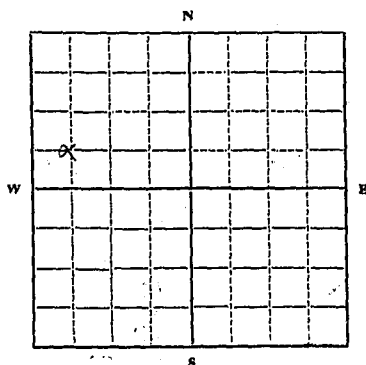
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
DEC 13 1963  
STATE ENGINEER

1. Northern Pacific Railway Company, of N.P. Office Bldg. St. Paul, Minn.  
(Name of Appropriator) (Address) (Town)  
County of Ramsey State of Minnesota  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 17 T. 14N R. 32E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based. Furnishing water for livestock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Continuous since 1930.
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 5 gallons per minute.
5. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner. None.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Drilled in 1930.
8. The depth of water table. 30 feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 30 feet deep.
10. The estimated amount of groundwater withdrawn each year.
11. The log of formations encountered in the drilling of each well if available. No log available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. No other information available.

Northern Pacific Railway Company  
Signature of Owner By [Signature]  
Dist. Supervisor, Graz. & Cult.

Date DEC 10 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

8877

136  
124632

STATE OF MONTANA }  
County of Garfield }

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 10 day of Nov.

A. D. 1963 at Butte M.

Charles P. [Signature]  
County Clerk and Recorder

By Marion B. [Signature]  
Deputy

Fee Paid \$ 2.00

INDEXED mj  
FILED 100

2011 ENCLOSED  
RECORDED

File No. ....

T. 14N R. 32E

DUPLICATE

County Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 13 1963

STATE ENGINEER  
**Notice of Completion of Groundwater Appropriation  
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....1950

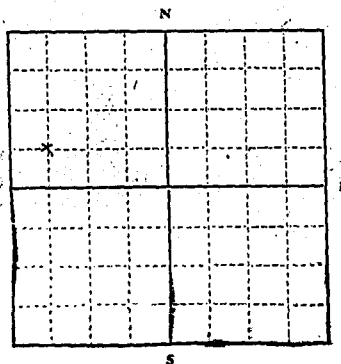
Owner Nor. Pac. Ry. Co. Address St. Paul, Minn.

Contractor (if any) .....

Address of Contractor .....

Date Started..... Date Completed.....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Springs used since 1950.



SW 1/4 Sec. 17 T. 14N R. 32E

Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate ~~of~~ estimate lengths of periods of use.....2 springs.

each flowing 1 gallon per minute, measured

over a period of time.

**Northern Pacific Railway Company**

Signature of Owner By *[Signature]*

Dist. Supervisor, Grav. & Cult.

Date.....DEC 10 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

131

124627

STATE OF MONTANA }  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana.  
10 day of May

A. D. 1943 1:20 o'clock P. M.

County Clerk and Recorder

By *Thomas A. Jones*  
Deputy

Fee Paid \$2.00

INDEXED *mj*  
FILED *Feb*



T. 11N R. 32E

County Garfield

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
JUN 11 1961

WATER WELL LOG

STATE ENGINEER


Owner Bruce Dutton Address Sand Springs, Montana

Driller Harvey McConnell Address Roundup, Montana

Date Started 6/25/59 Date Completed 6/25/61

Location: Sec. 22 T. 11 R. 32 1/4 sec. NW 1/4

Type of well drilled Equipment used cable  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 155 ft. Type Galvanized Size 6 inch

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 25 to ft. 35 Ft. 110 to ft. 120

Type of screen or perforations slots

Static Water level, for non-flowing well: 30 ft. top 100 ft. deep

Shut-in pressure, for flowing well: lb./sq. in. on: (date)

Pumping water level: gal. per min.

How tested: bailer

Length of test 30 minutes

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

### Log of Well

[illegible]

22  
T. 14N R. 32E  
County Garfield

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

RECEIVED  
AUG 11 1961

WATER WELL LOG

STATE ENGINEER


Owner Wm Dutton Address Sand Springs, Montana  
Driller Luhman Bros. Address Miles City, Montana  
Dr Started 7/12/46 Date Completed 7/13/46  
Location: Sec. 22 T. 14 R. 32 1/4 sec. SE 1/4

Type of well drilled (Dug, driven, bored, or drilled) Equipment used Rotary (Cable driven, etc.)

Water use: Domestic ☐ Manure ☐ Stock ☒ Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 200 ft. Type 1 1/2 in. Size 1 in.

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 189 to ft. 200 1/2 in. to ft.

Type of screen or perforations holes

Static Water level, for non-flowing well: 80 feet from top feet.

Shut-in pressure, for flowing well lb./sq. in. (date)

Pumping water level feet at 10 gal. per min.

How tested: bailer

Length of test C

Remarks: (Gravel packing, casing, packers, type of shut-off, depth of shut-off)

(over)

## Log of Well

[illegible]